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**Minimum Aviation System Performance
Standards (MASPS) for Traffic Information
Service – Broadcast (TIS-B)**

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FOREWORD

This report was prepared by RTCA Special Committee 186 (SC-186) for use as a guide in developing Traffic Information Services-Broadcast Performance Standards. It was approved by the RTCA Program Management Committee on October 11, 2007.

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- Developing consensus on the application of pertinent technology to fulfill user and provider requirements, including development of Minimum Operational Performance Standards for electronic systems and equipment that support aviation; and
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1 PURPOSE AND SCOPE

1.1 Introduction

This document contains Minimum Aviation System Performance Standards (MASPS) for Traffic Information Service - Broadcast (TIS-B). These standards specify system characteristics of use to designers, manufacturers, installers, service providers, and users of a TIS-B system. This document specifies requirements intended for global application and also provides guidance for system development throughout the world. The requirements set forth herein reflect consideration of existing capabilities available to support initial applications using TIS-B, as well as the requirements for future systems necessary to support advanced applications. TIS-B as defined within this document supports applications whose Application Capability and Transmit Quality Levels (i.e., sets of surveillance performance parameters sufficient to support application requirements) are defined in the Aircraft Surveillance Application (ASA) MASPS. These TIS-B MASPS support compatibility between Automatic Dependent Surveillance-Broadcast (ADS-B) and TIS-B. The data link requirements for TIS-B are defined in the Minimum Operational Performance Standards (MOPS) of the candidate data links. The hierarchy of the documents produced by RTCA Special Committee 186 is shown in Figure 1-1.

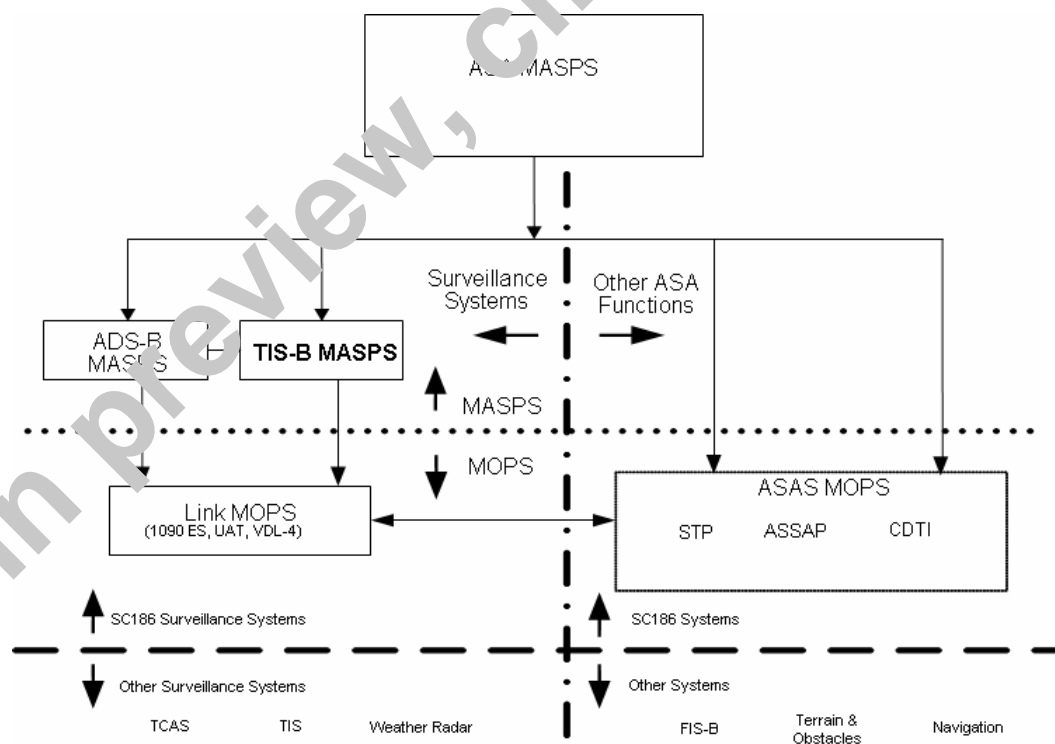


Figure 1-1 SC-186 Document Hierarchy